0080EF"th8E2260

Commerce General Architecture

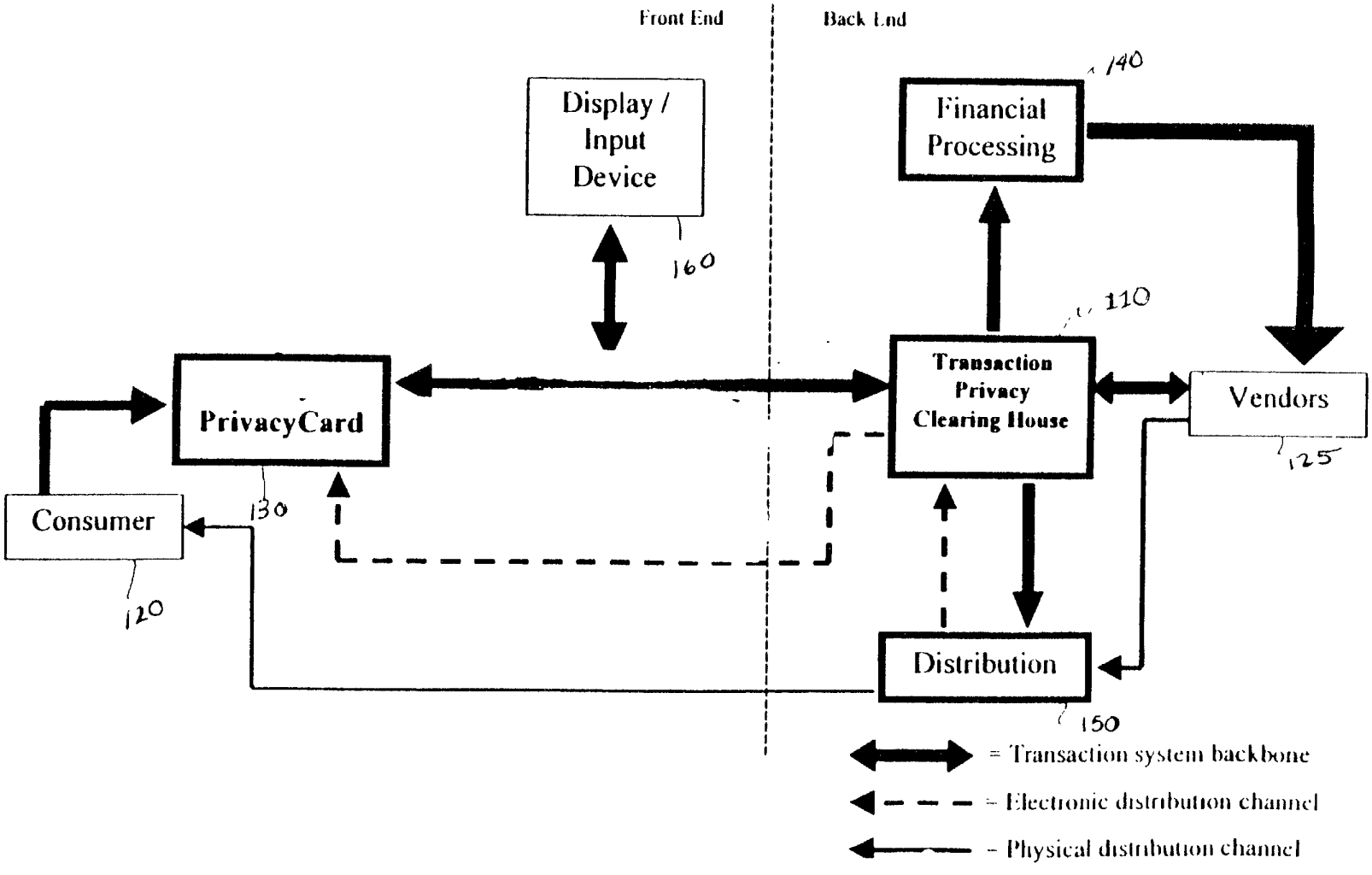

Fig 1

08802T "WBEE260

Commerce General Architecture - POS Terminal:

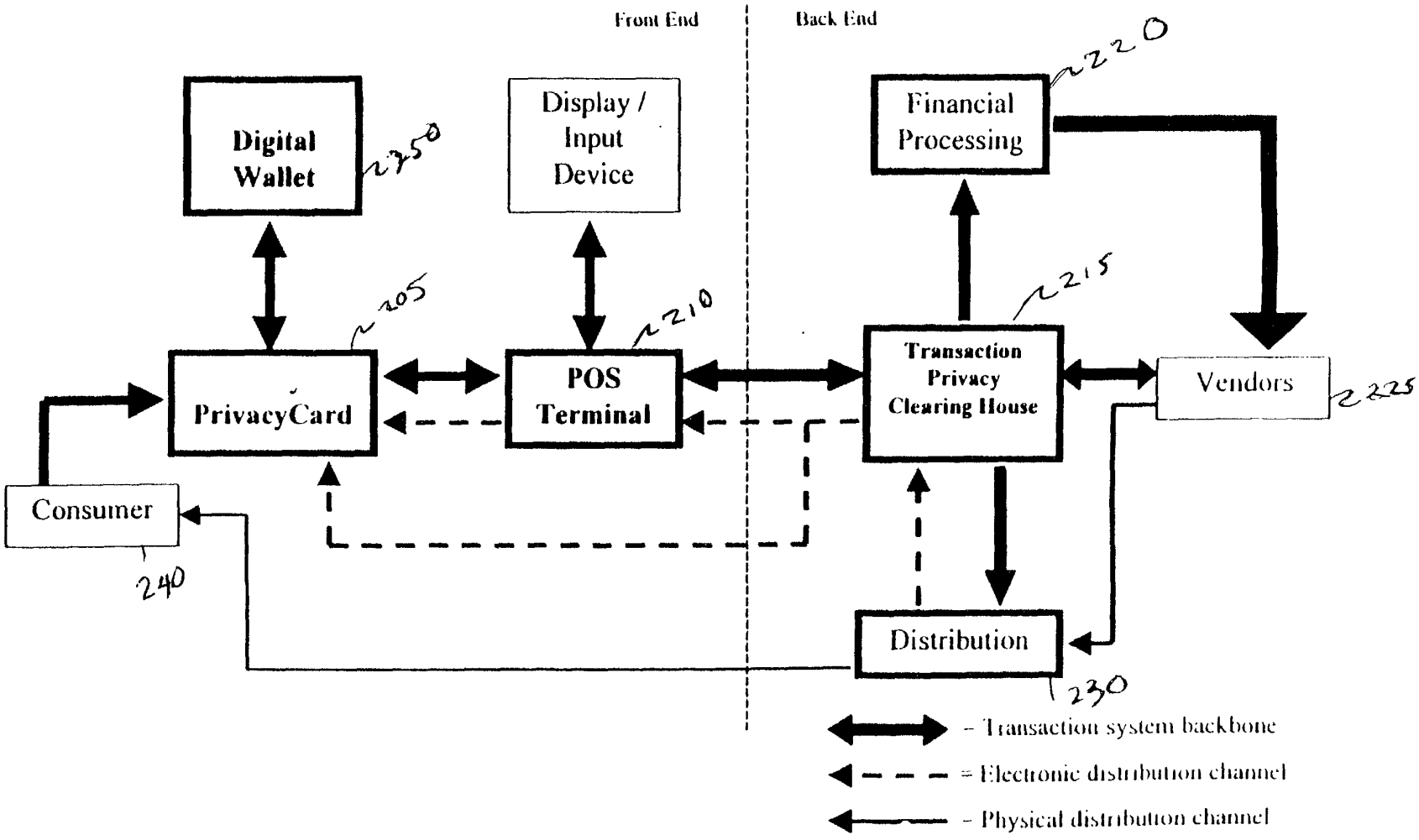

Fig 2

008027 "fm822260

Commerce
In-Home Environment

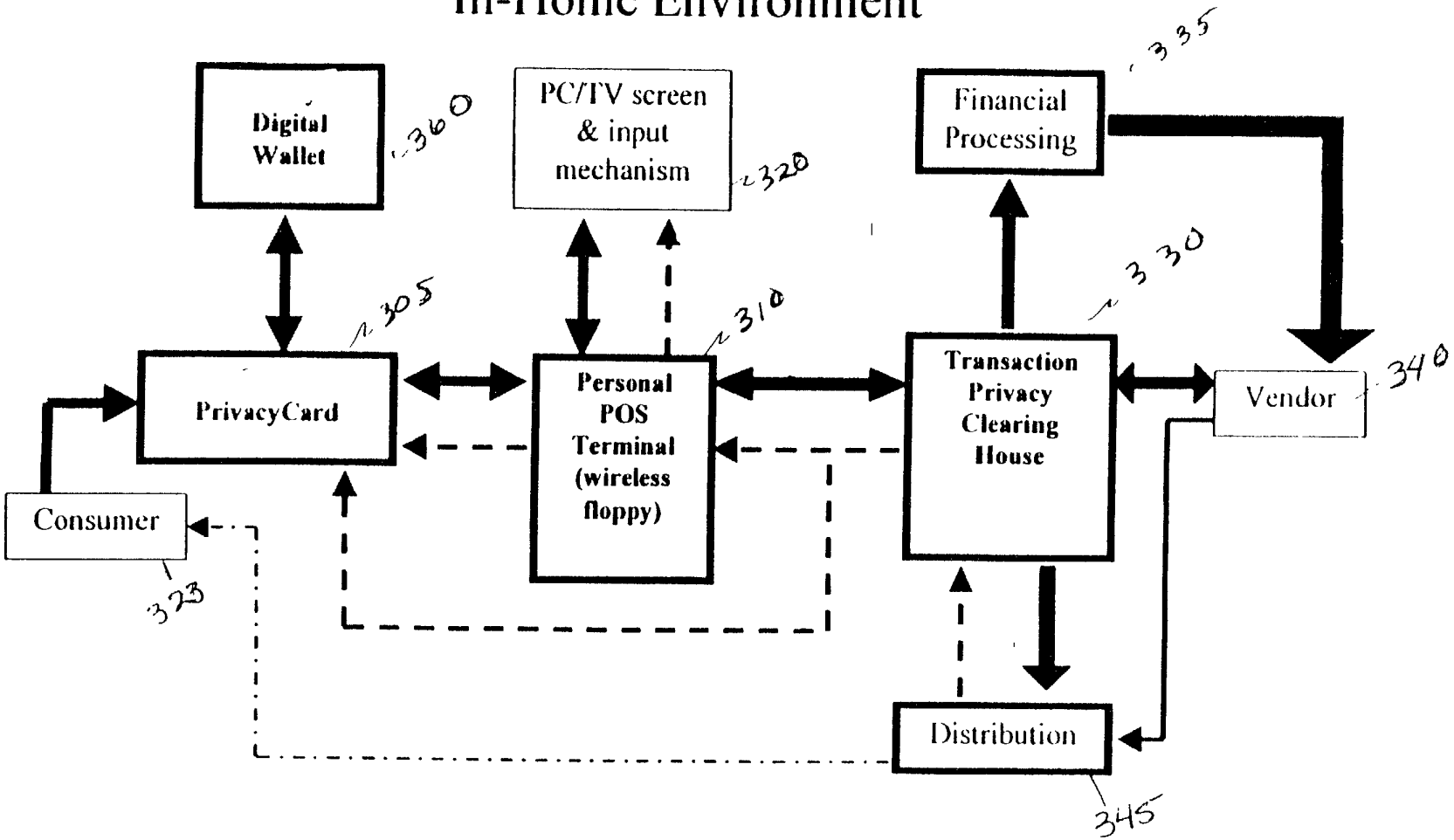

Fig 3

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In-Store Retail Environment

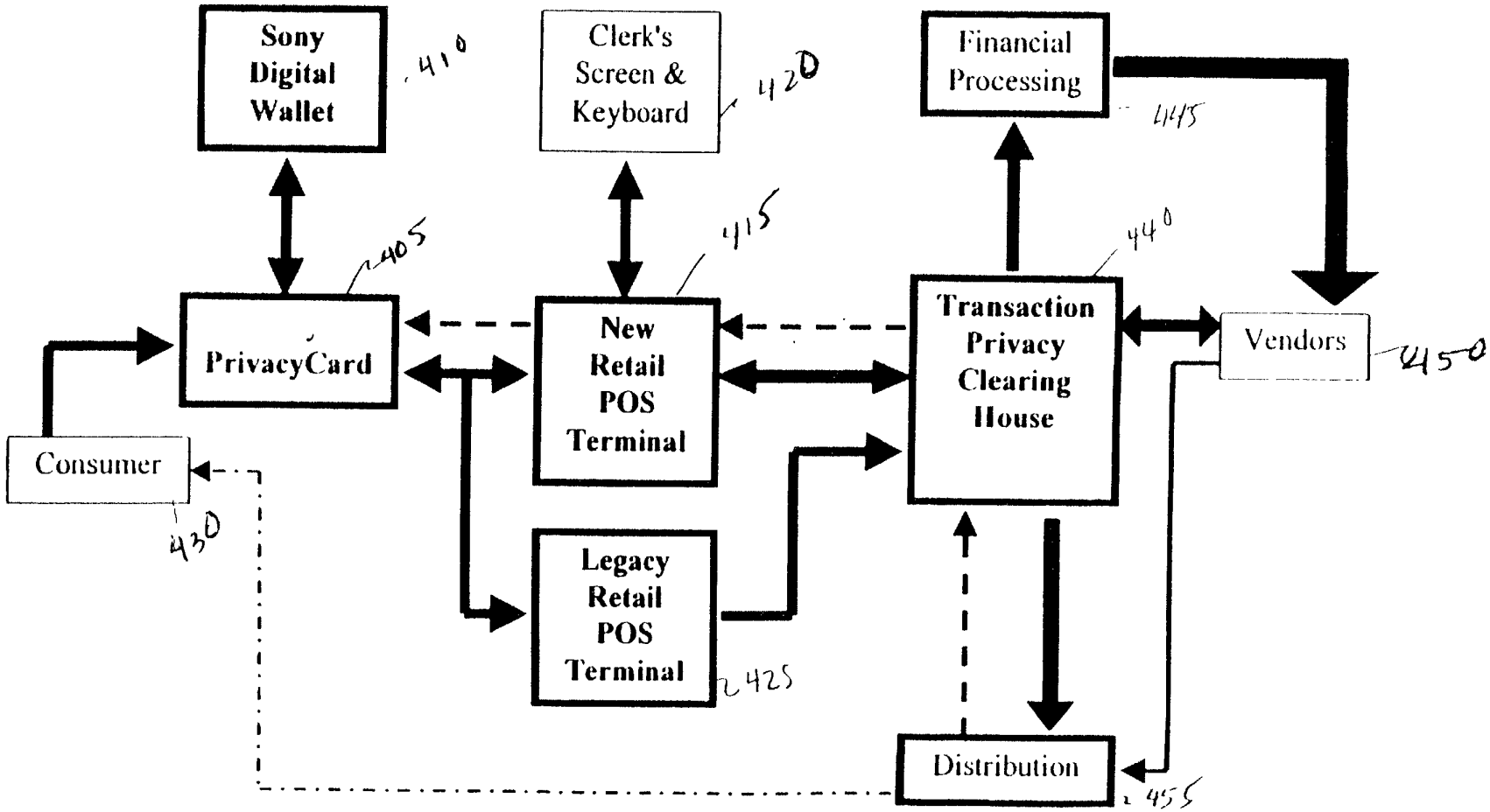


Fig 4

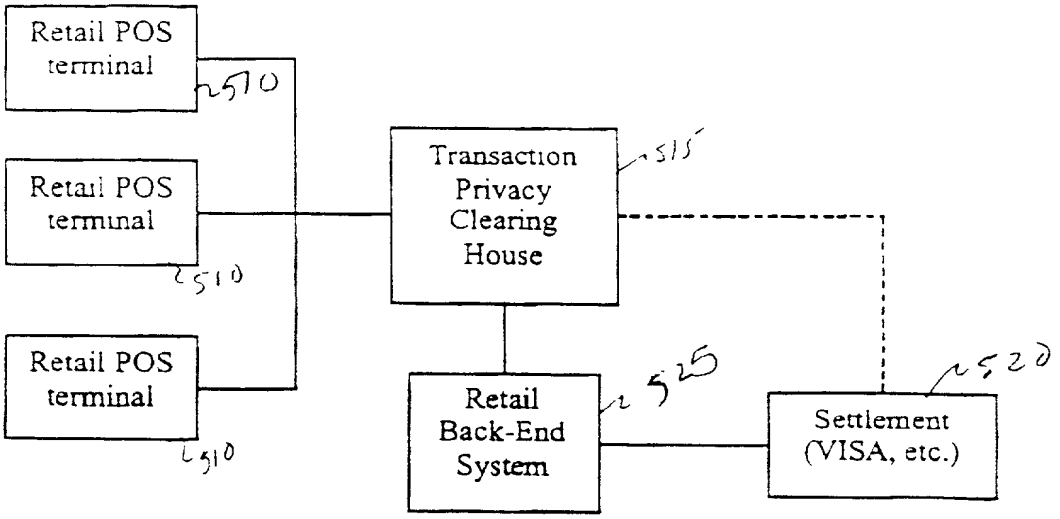


Diagram 5a: A retail system modified to support the interaction of legacy POS terminals with the Digital Wallet system

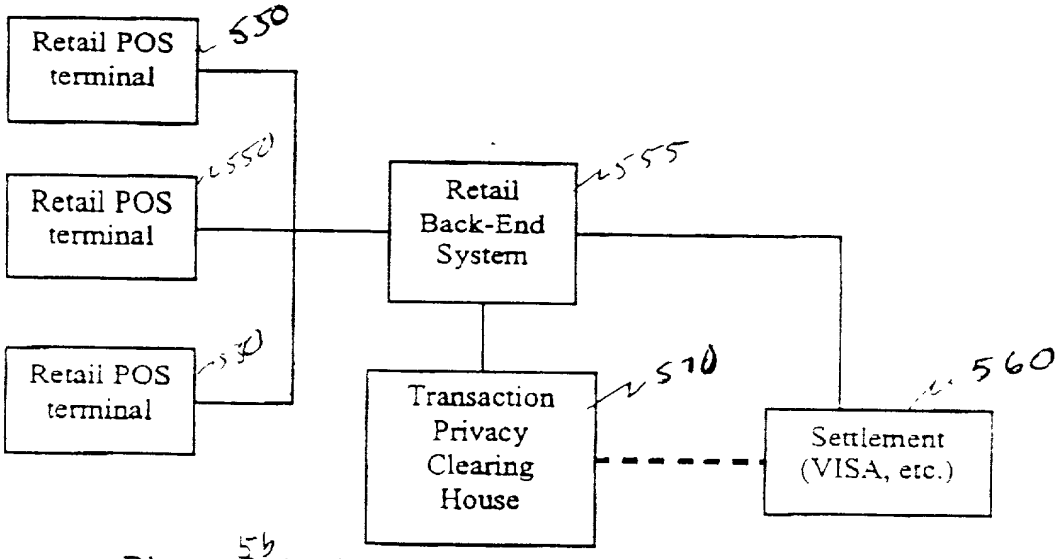
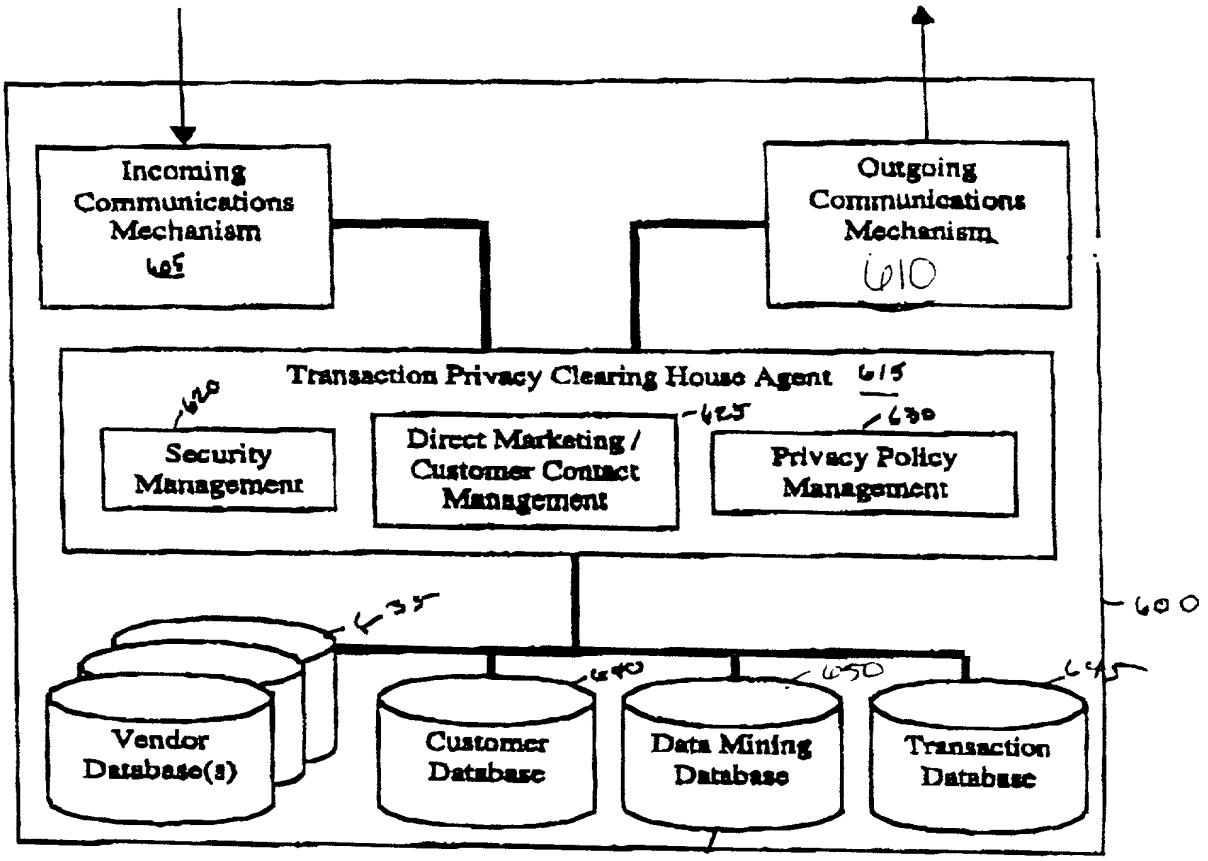


Diagram 5b: An alternative embodiment of the retail system modified to support the interaction of legacy POS terminals with the Digital Wallet system



Transaction Privacy Clearing House: Major Components

Fig. 6

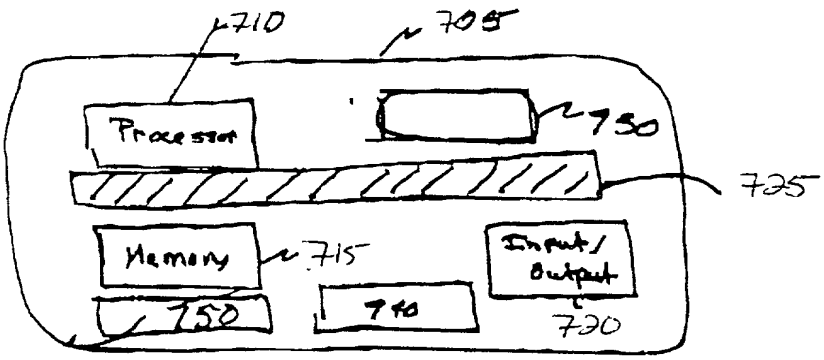


Figure 7a

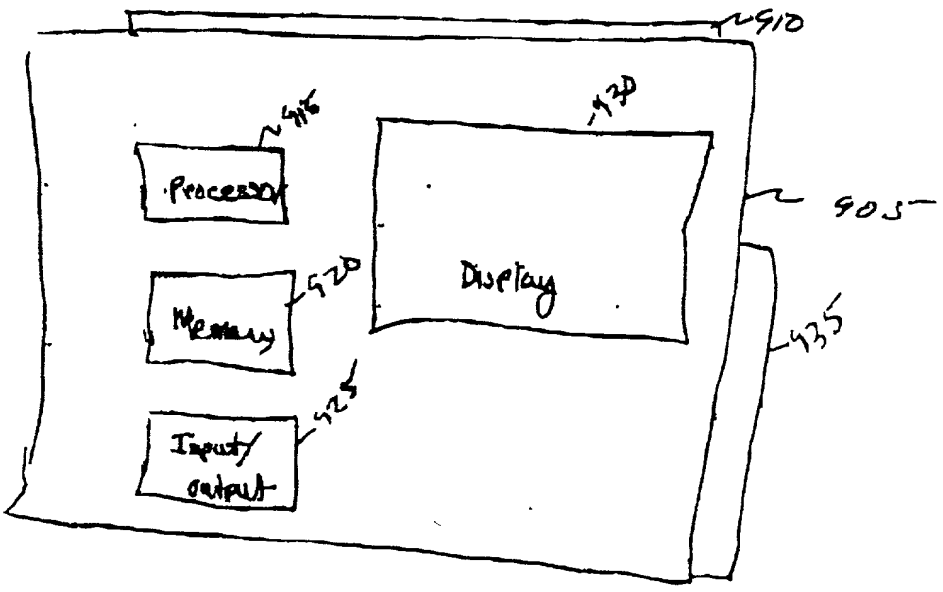


Figure 9a

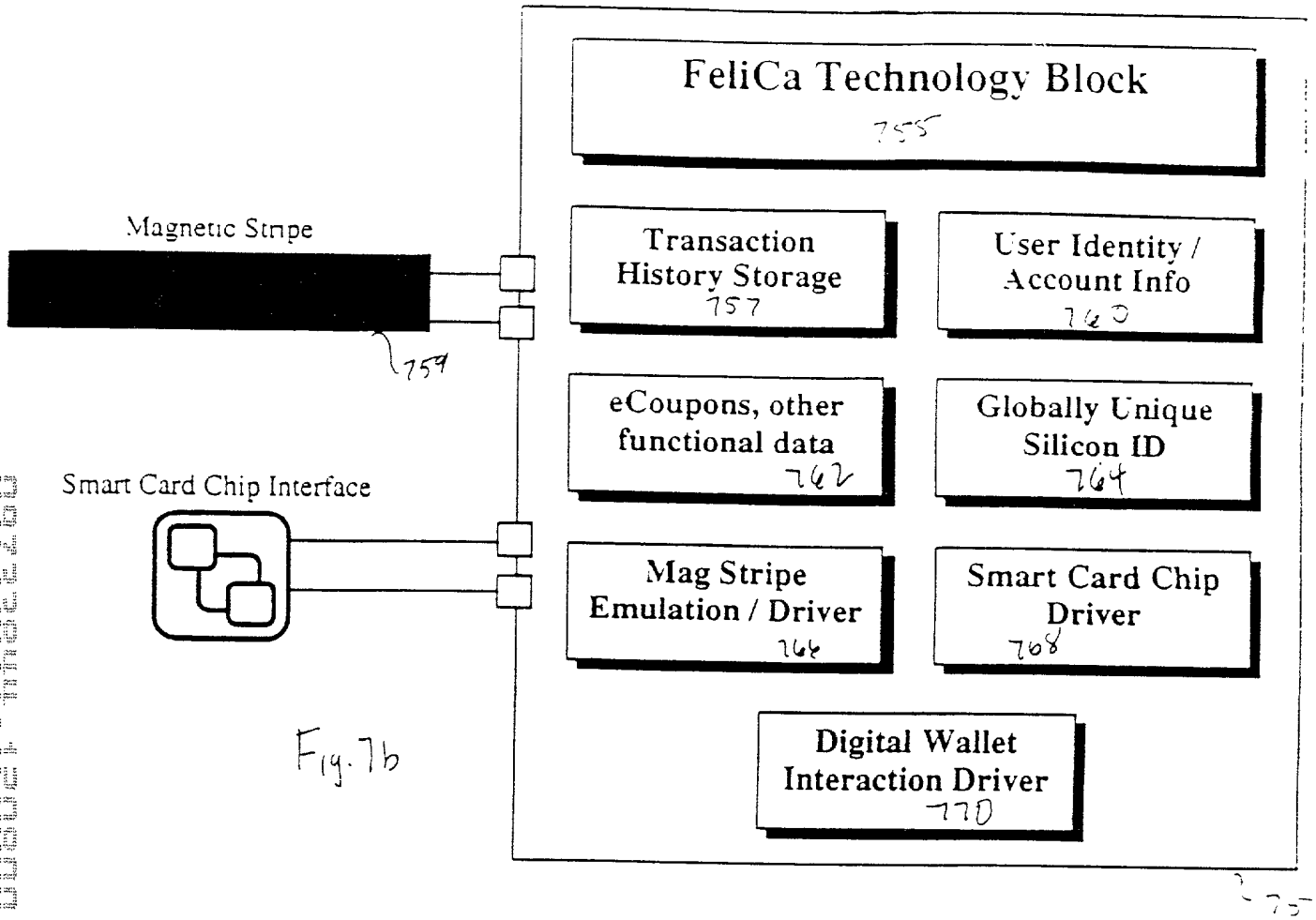

FeliCa Technology Block
755
Magnetic Stripe
759
Transaction History Storage
757
User Identity / Account Info
760
eCoupons, other functional data
762
Globally Unique Silicon ID
764
Smart Card Chip Interface
Mag Stripe Emulation / Driver
766
Smart Card Chip Driver
768
Digital Wallet Interaction Driver
770
775

Fig. 7b

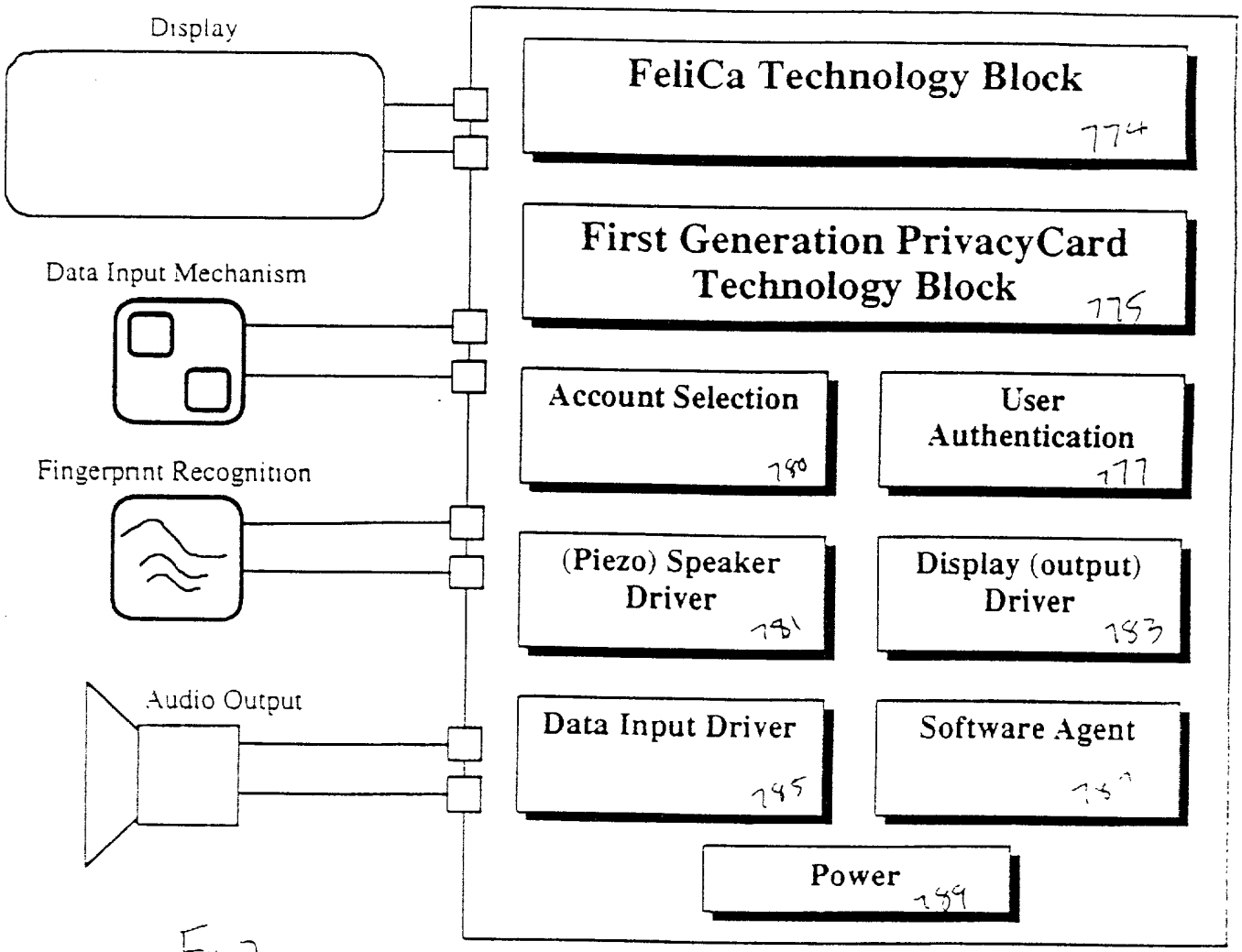

Display
Data Input Mechanism
Fingerprint Recognition
Audio Output
FeliCa Technology Block
774
First Generation PrivacyCard Technology Block
775
Account Selection
780
User Authentication
777
(Piezo) Speaker Driver
781
Display (output) Driver
783
Data Input Driver
785
Software Agent
787
Power
789

Fig. 7C

Document "Unclassified"

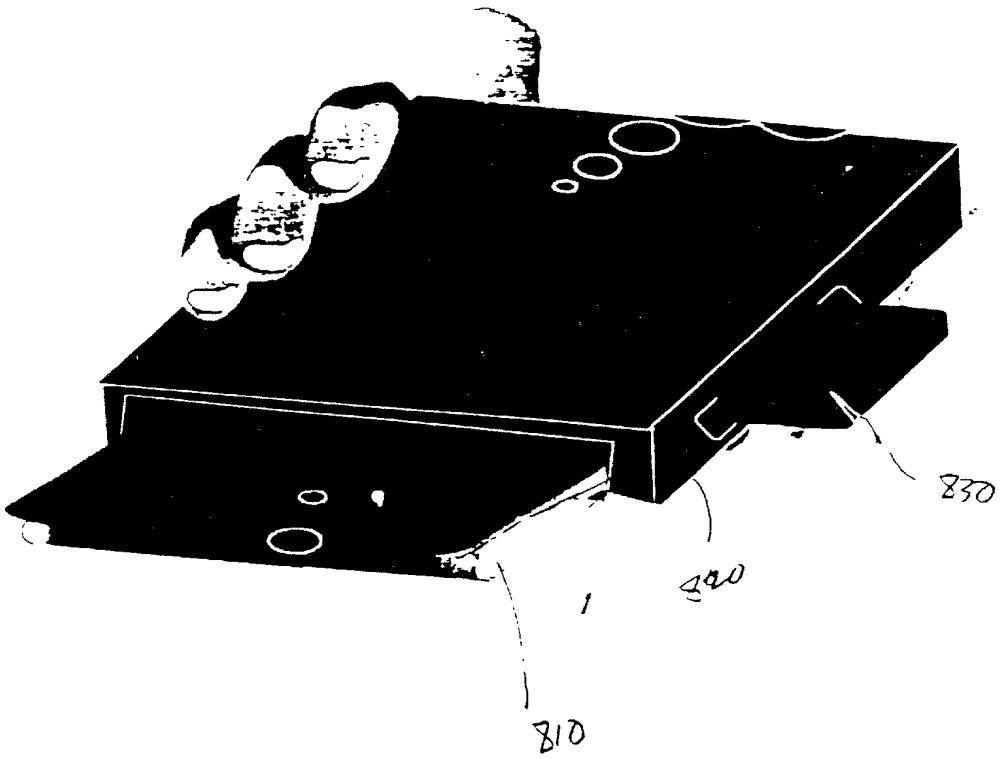


Fig 8

Digital Wallet and
Privacy Card

DOCKET ARTICLE

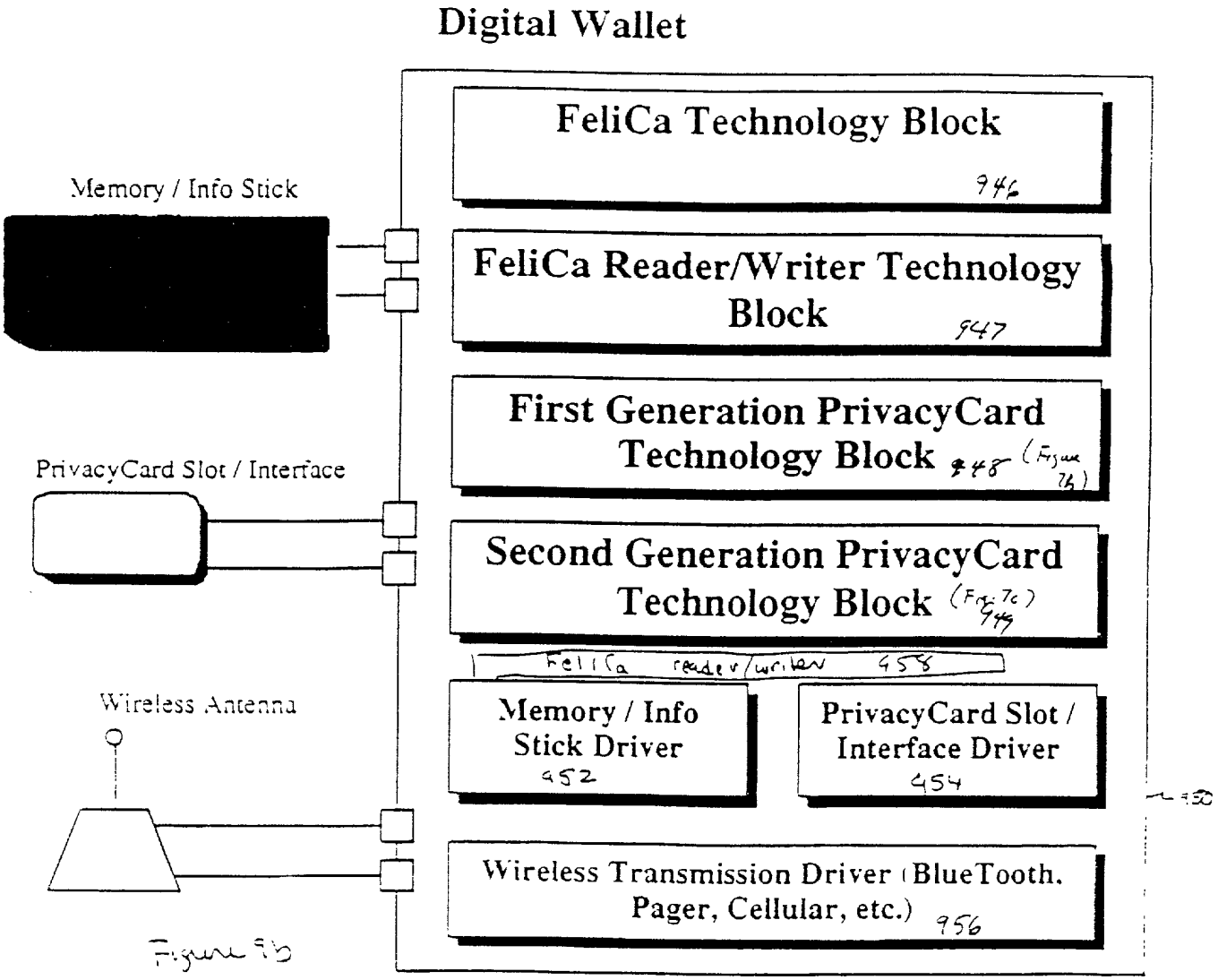


Figure 9b

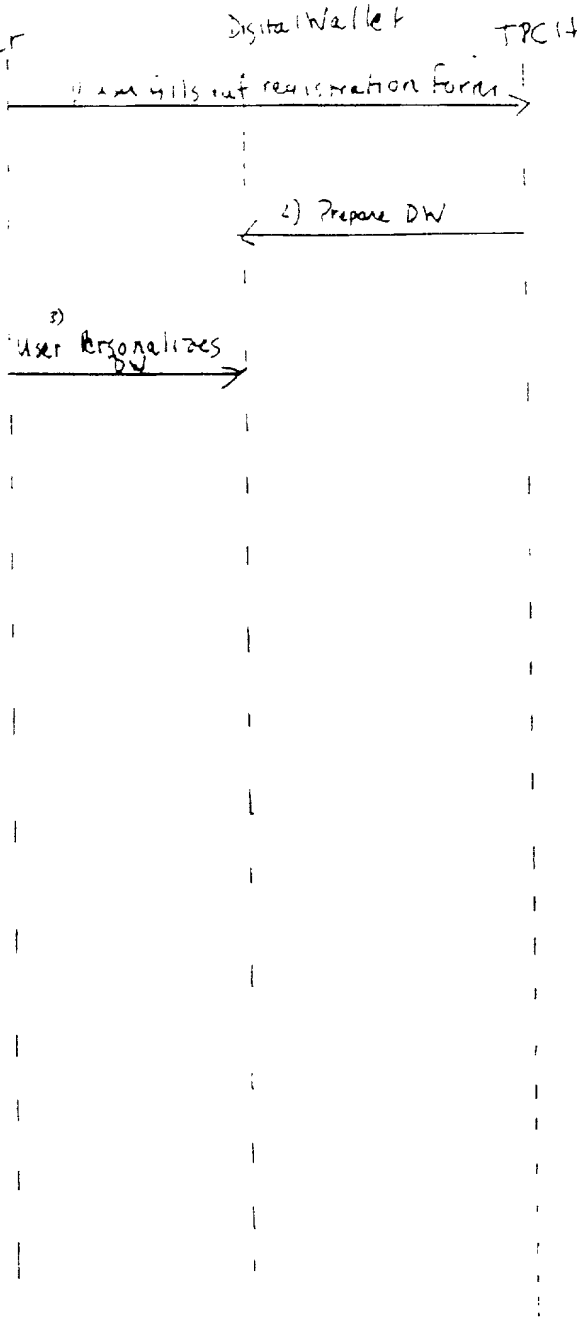


Fig 10

Setup of Digital Wallet

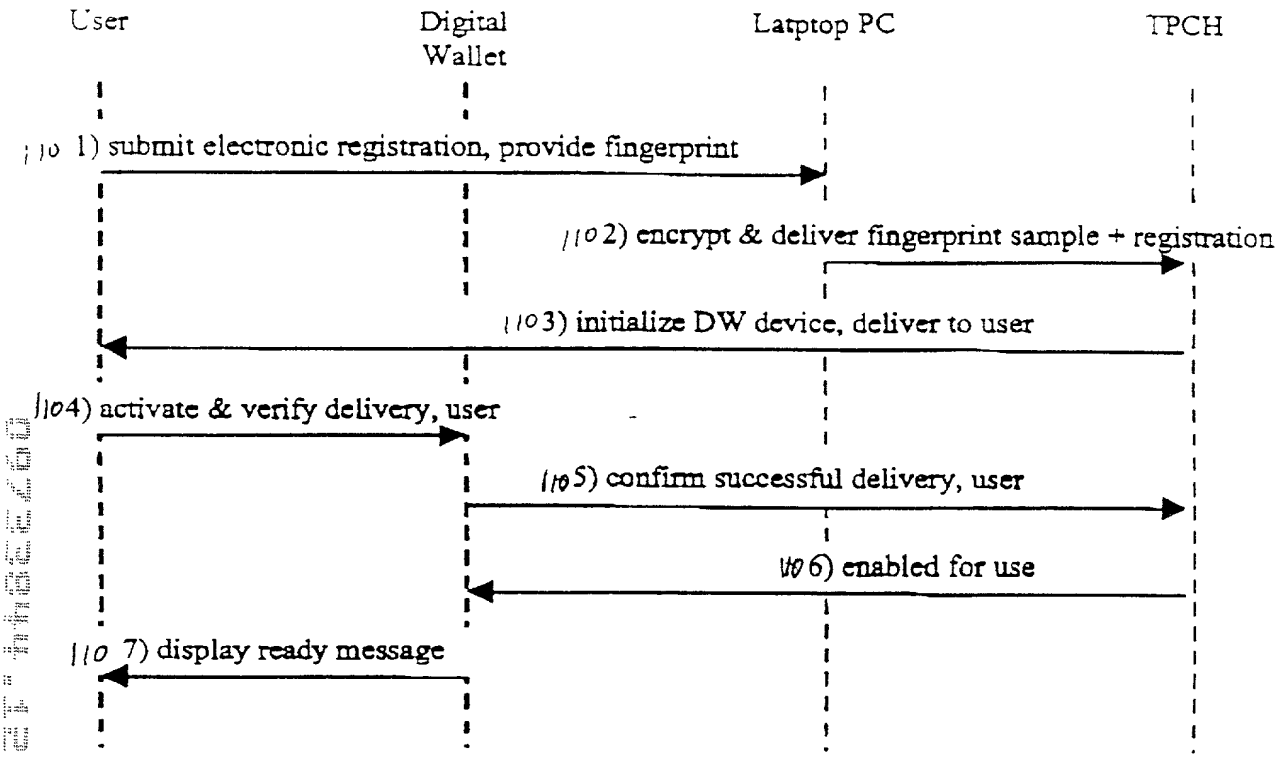


Fig 11

Digital Wallet Setup
(Alternate Embodiment)

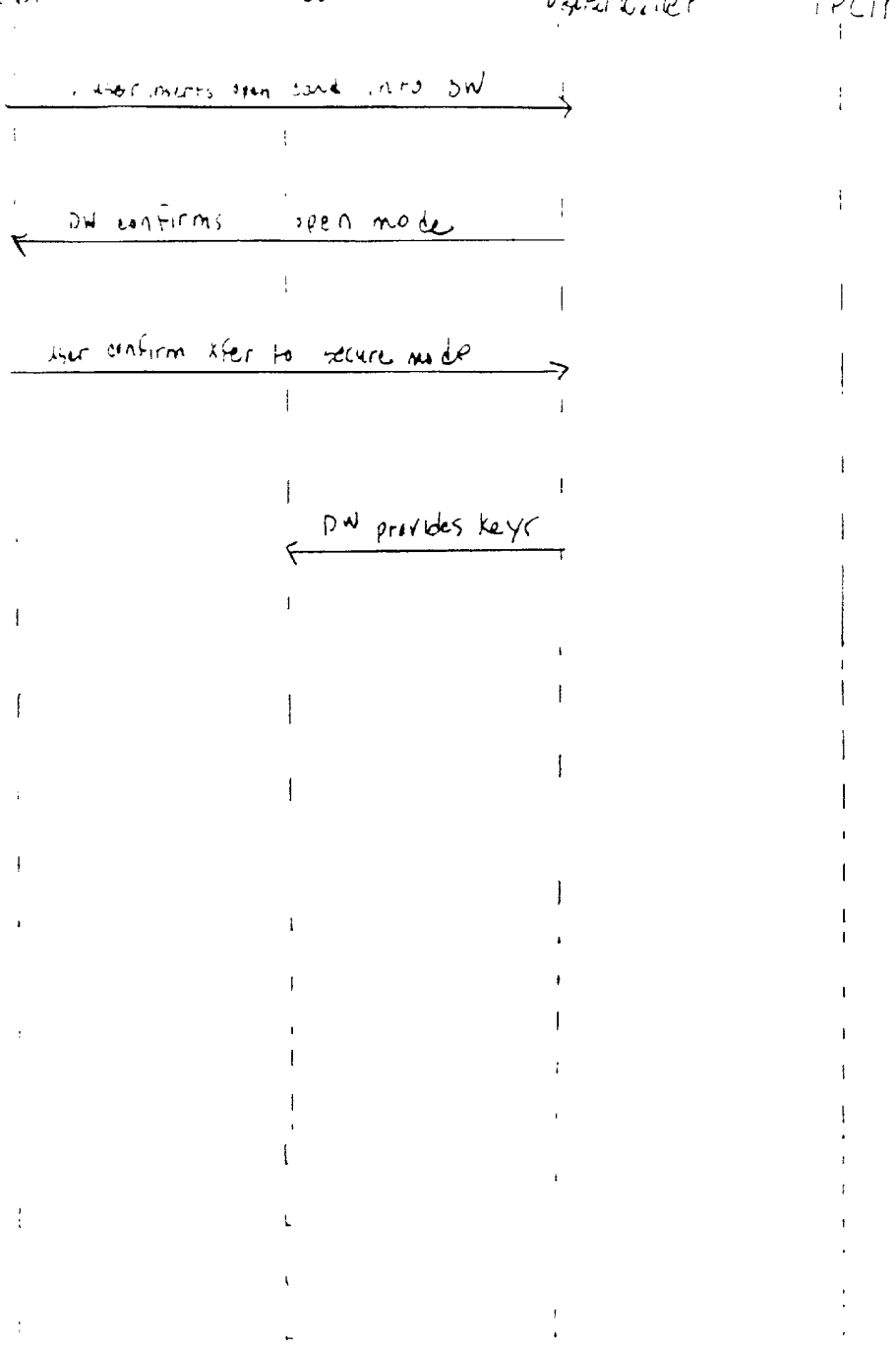
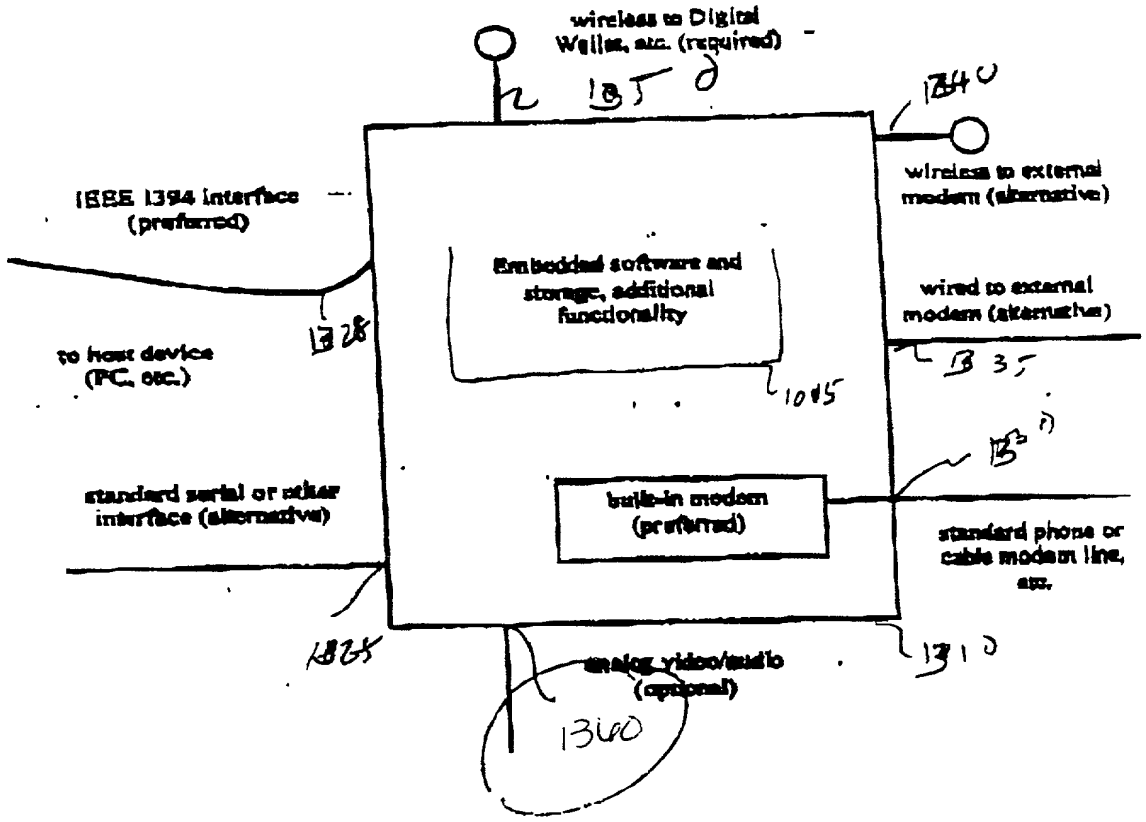


Fig V2

Conversion of card to secure

DOCUMENT - Attached



POS Terminal

Fig. 13

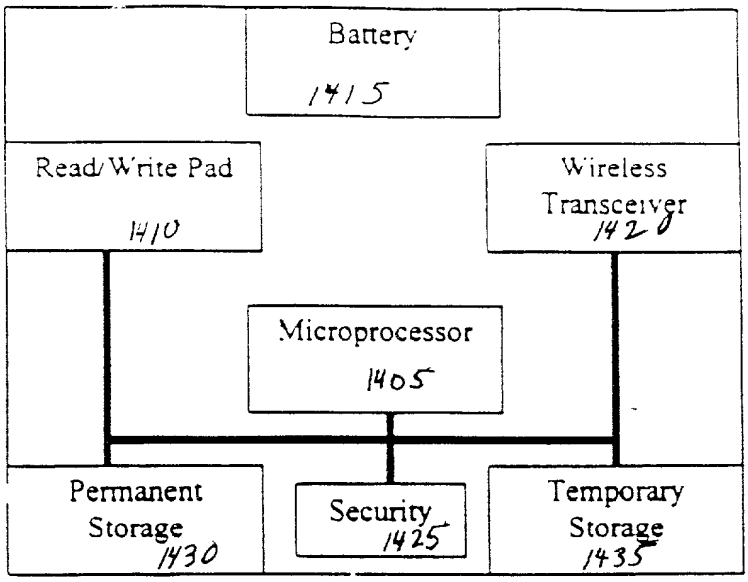


Diagram of the major components of the PersonalPOS, showing the data/address bus interconnect.

Fig 14

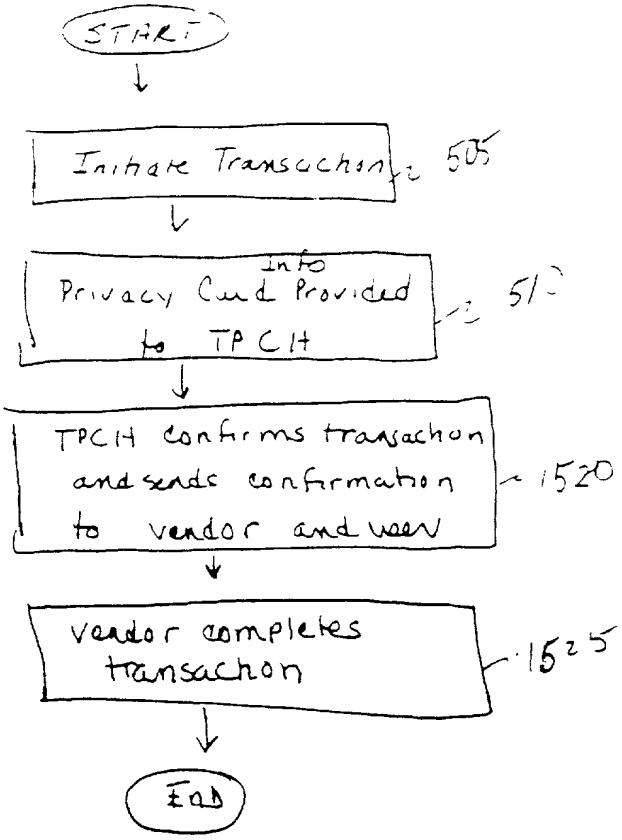

START
Initiate Transaction
505
Privacy Card Info Provided to TPCH
510
TPCH confirms transaction and sends confirmation to vendor and user
1520
Vendor completes transaction
1525
END

Fig. 5

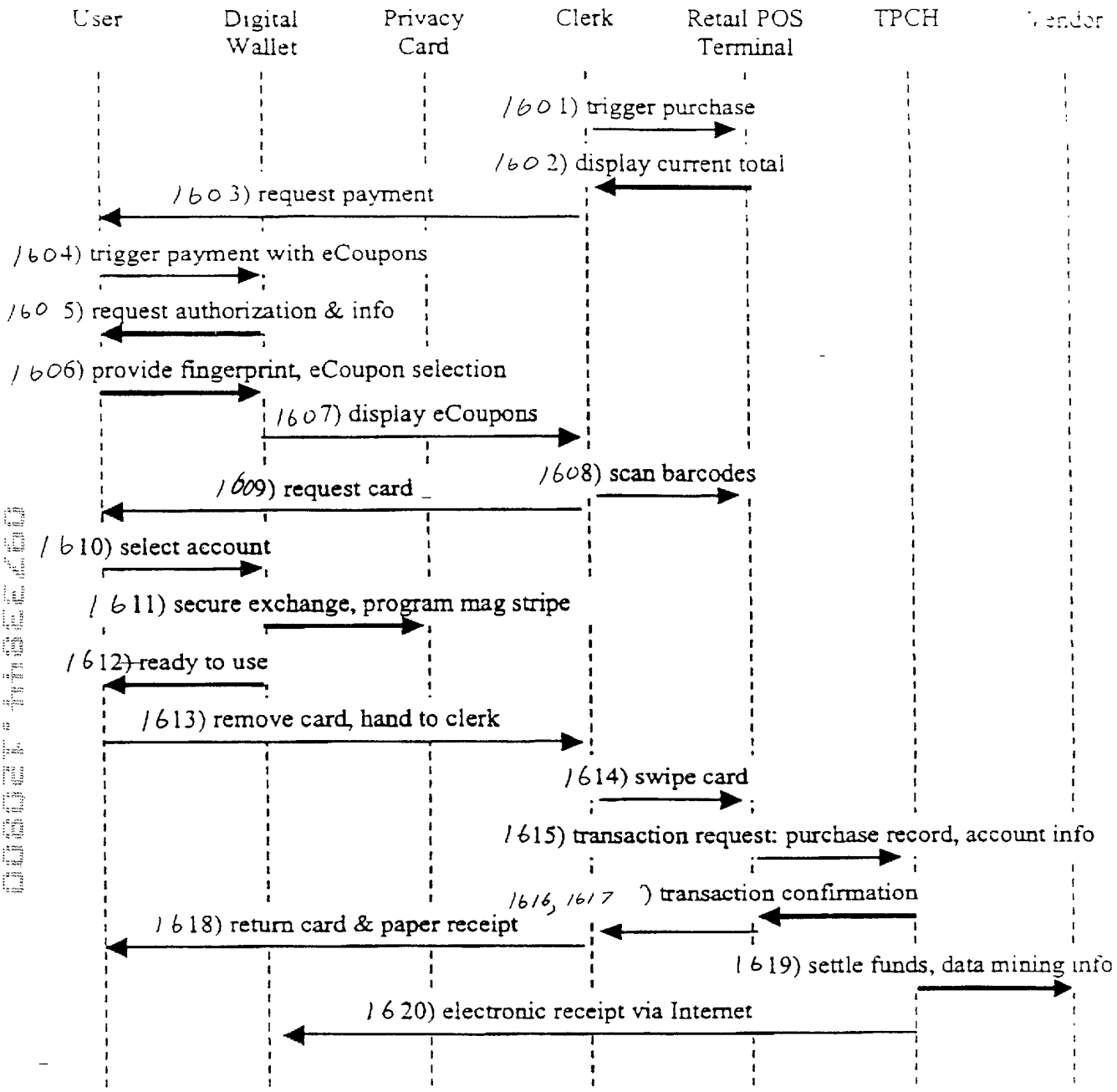


FIG 16

Retail Transaction

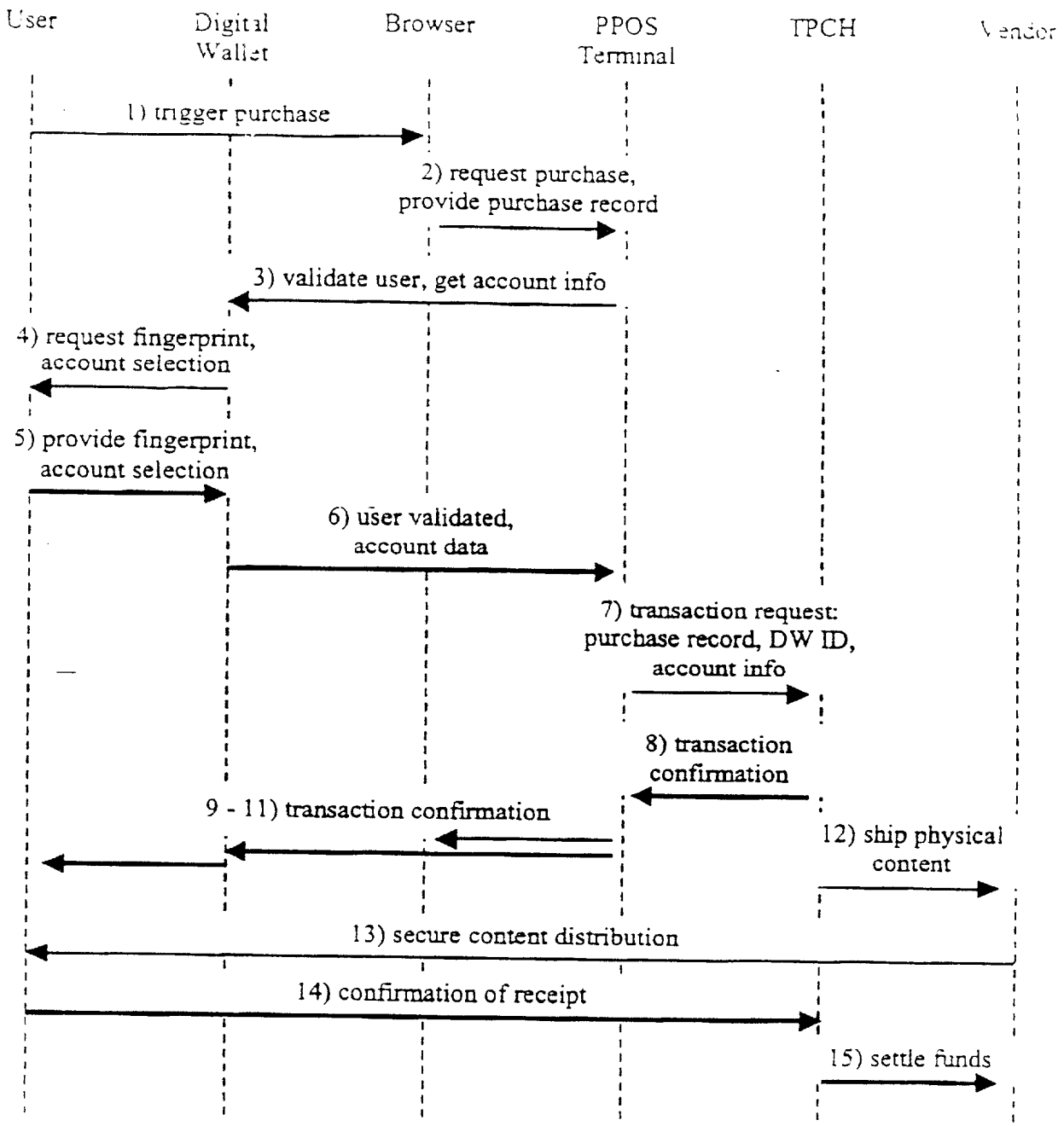


Fig. 12

Web Transaction

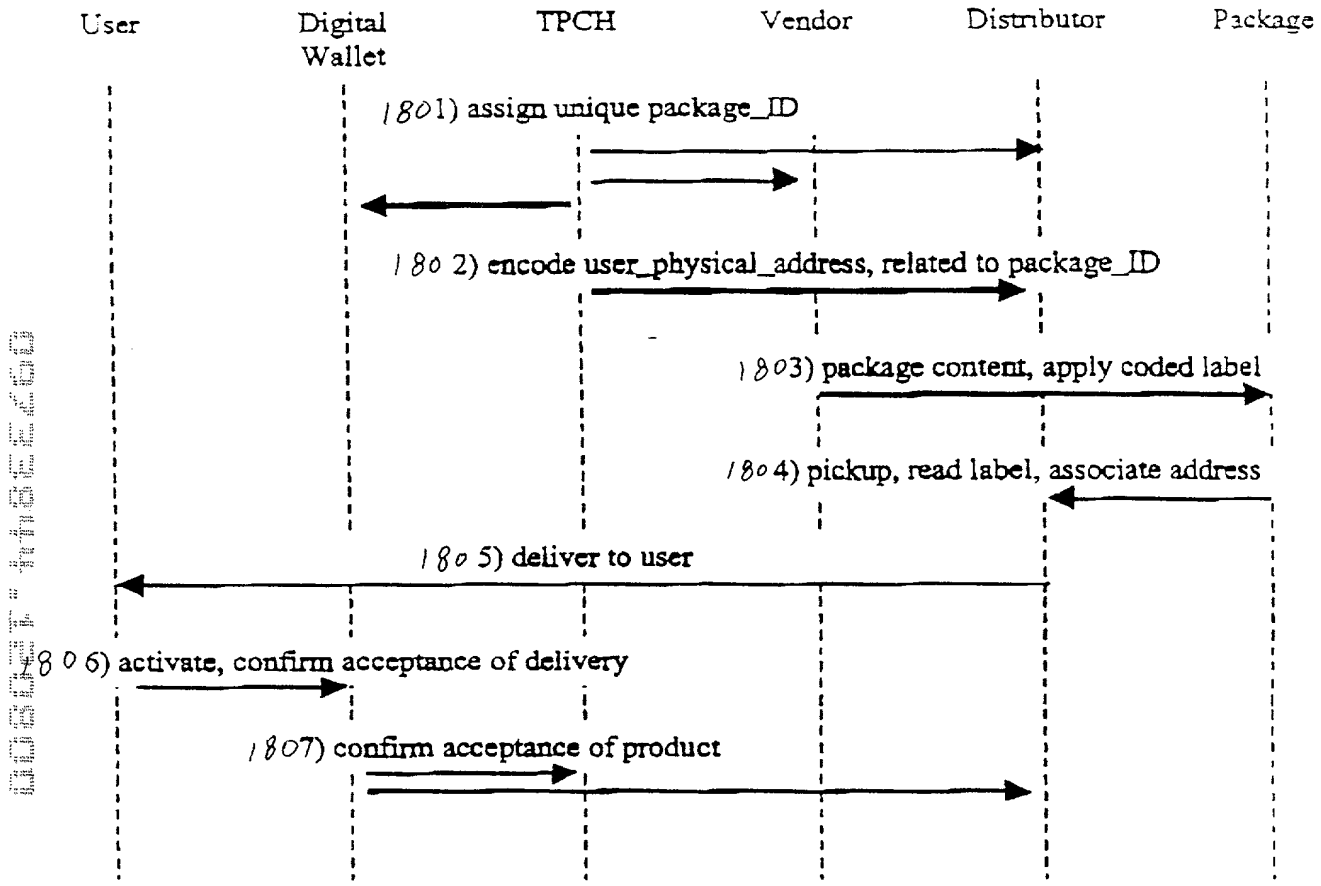


Fig. 18

Delivery of Product

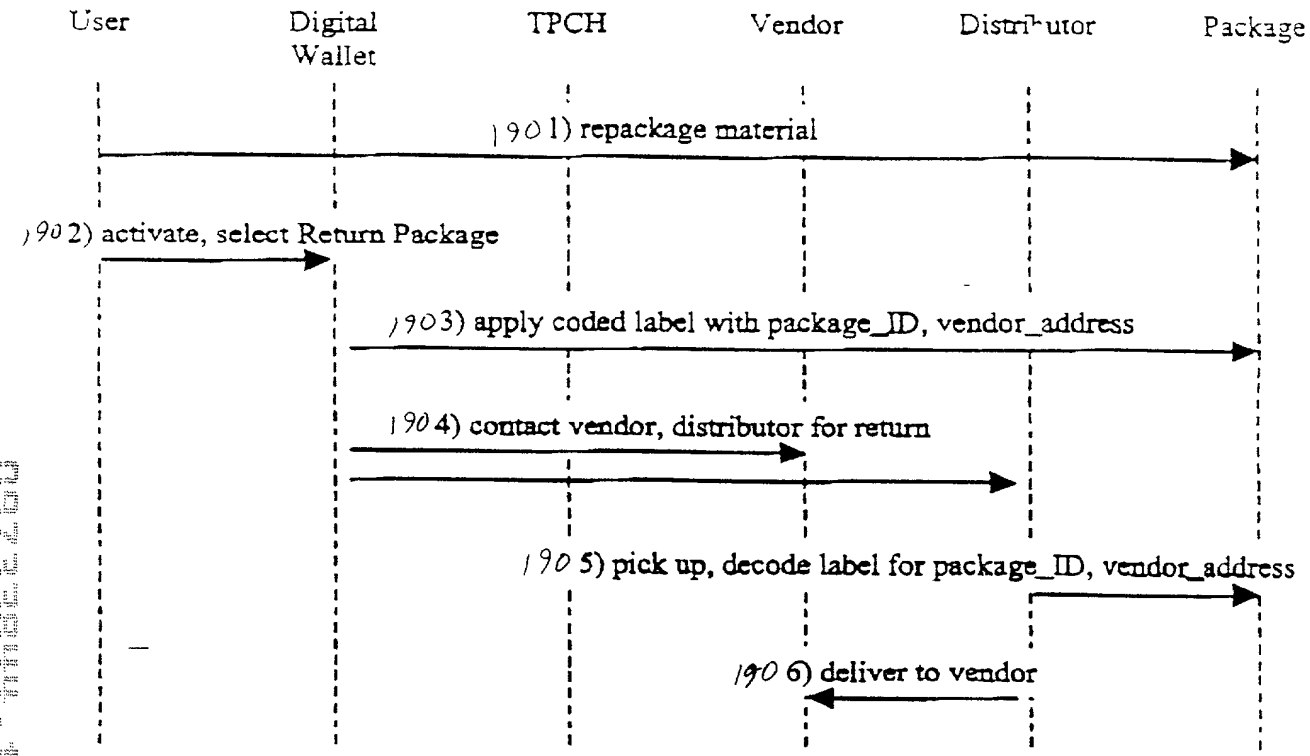


Fig 19

Return of Product

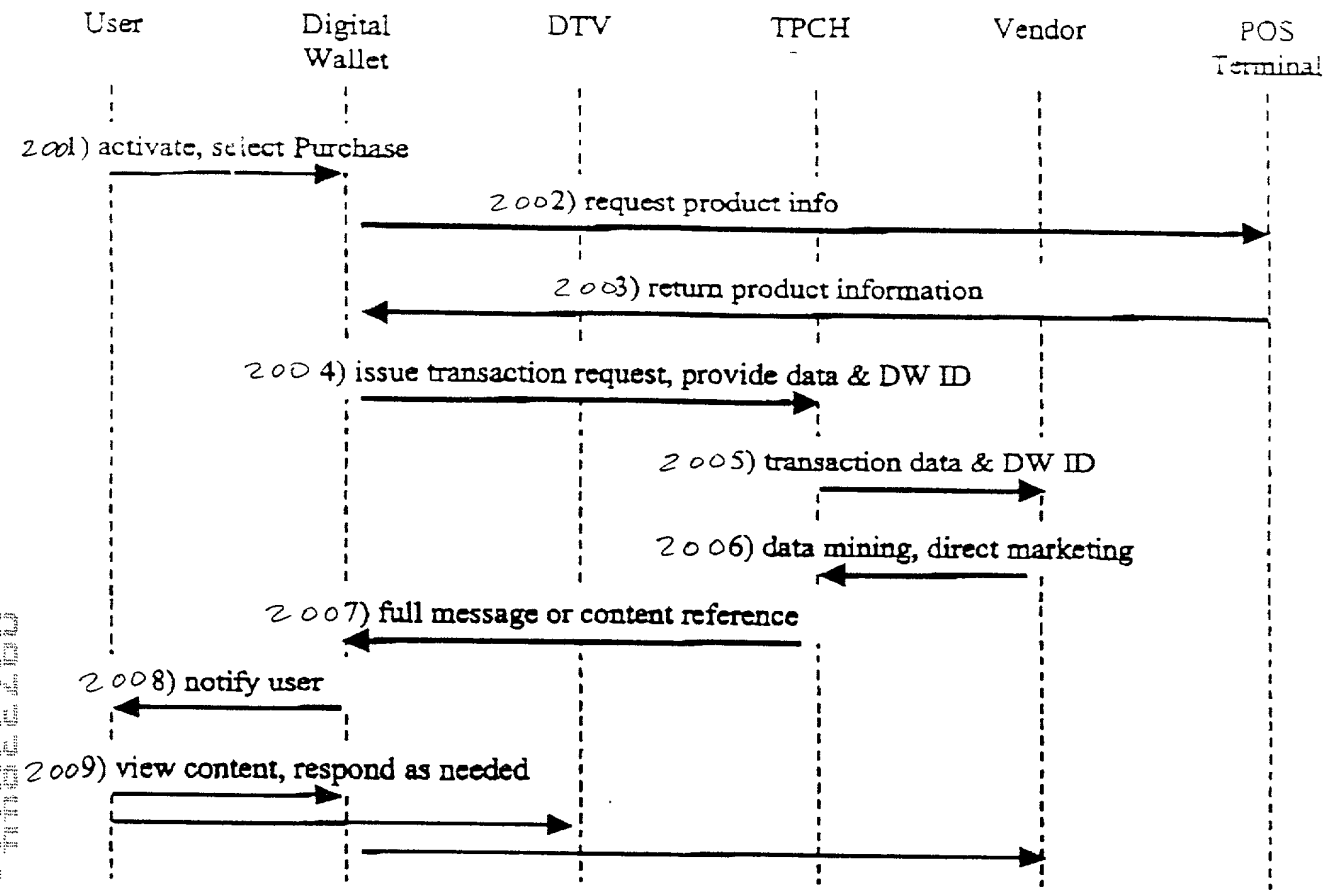


Fig 20

Data Mining

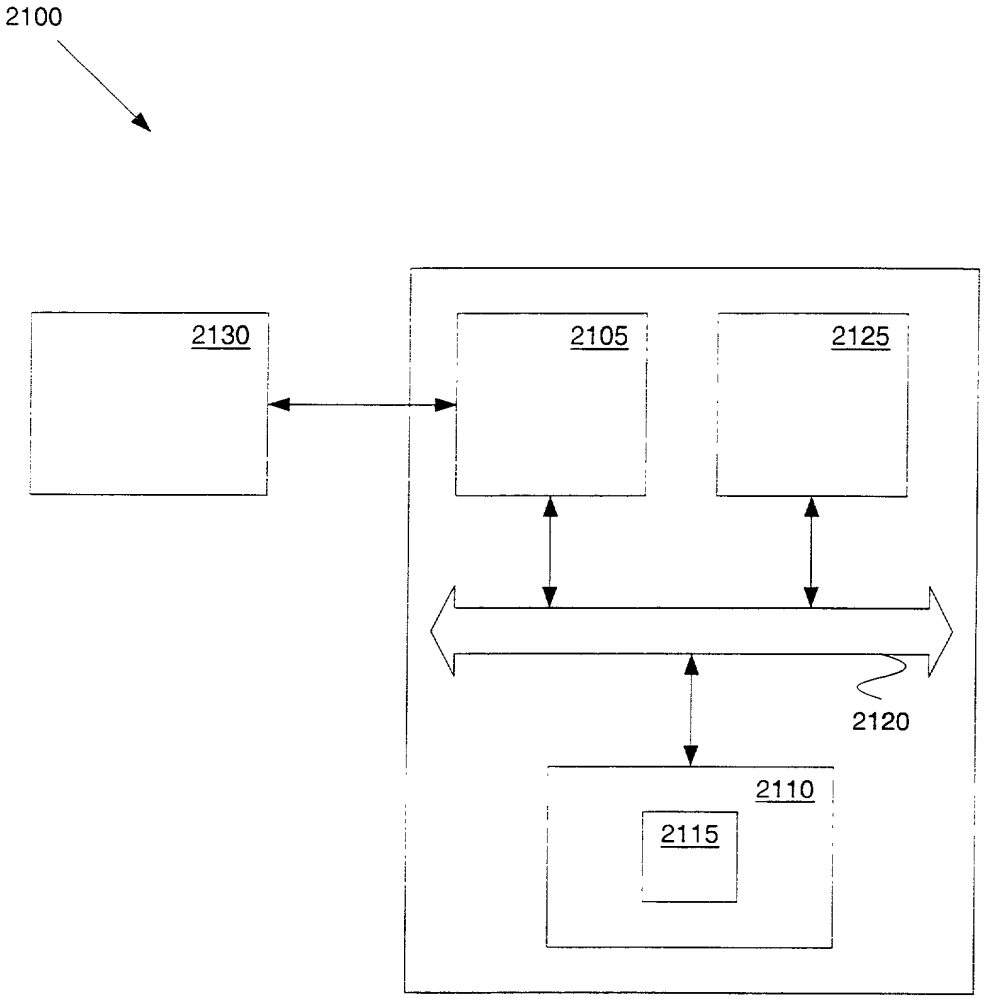


FIGURE 21

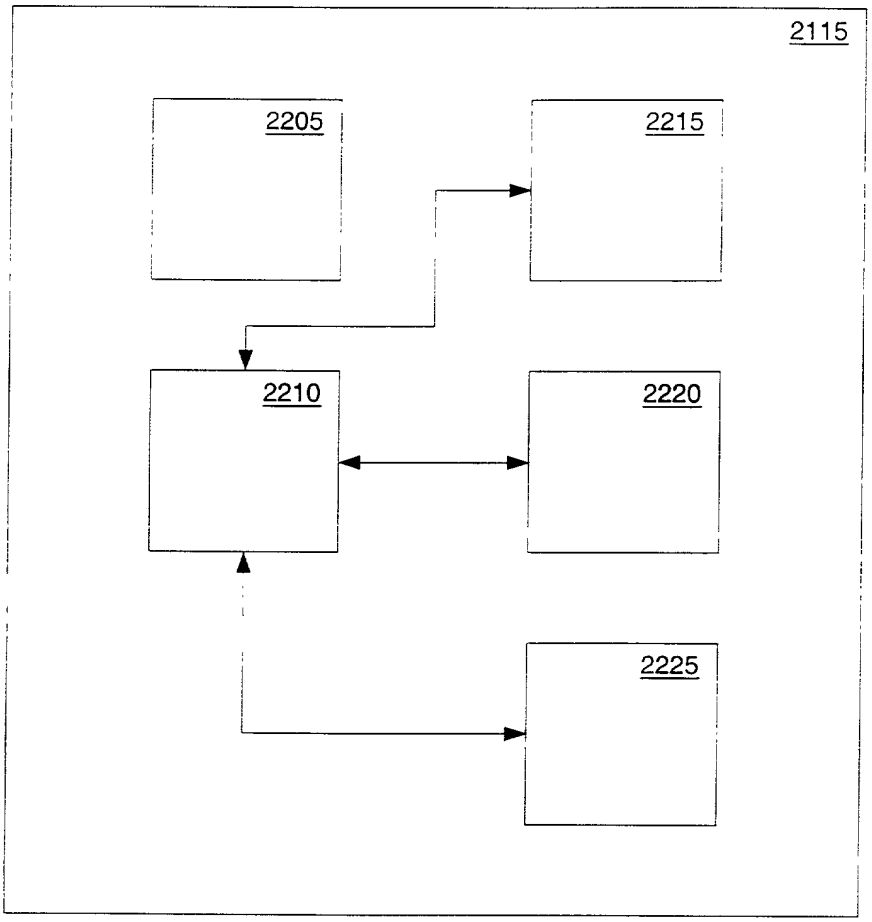


FIGURE 22

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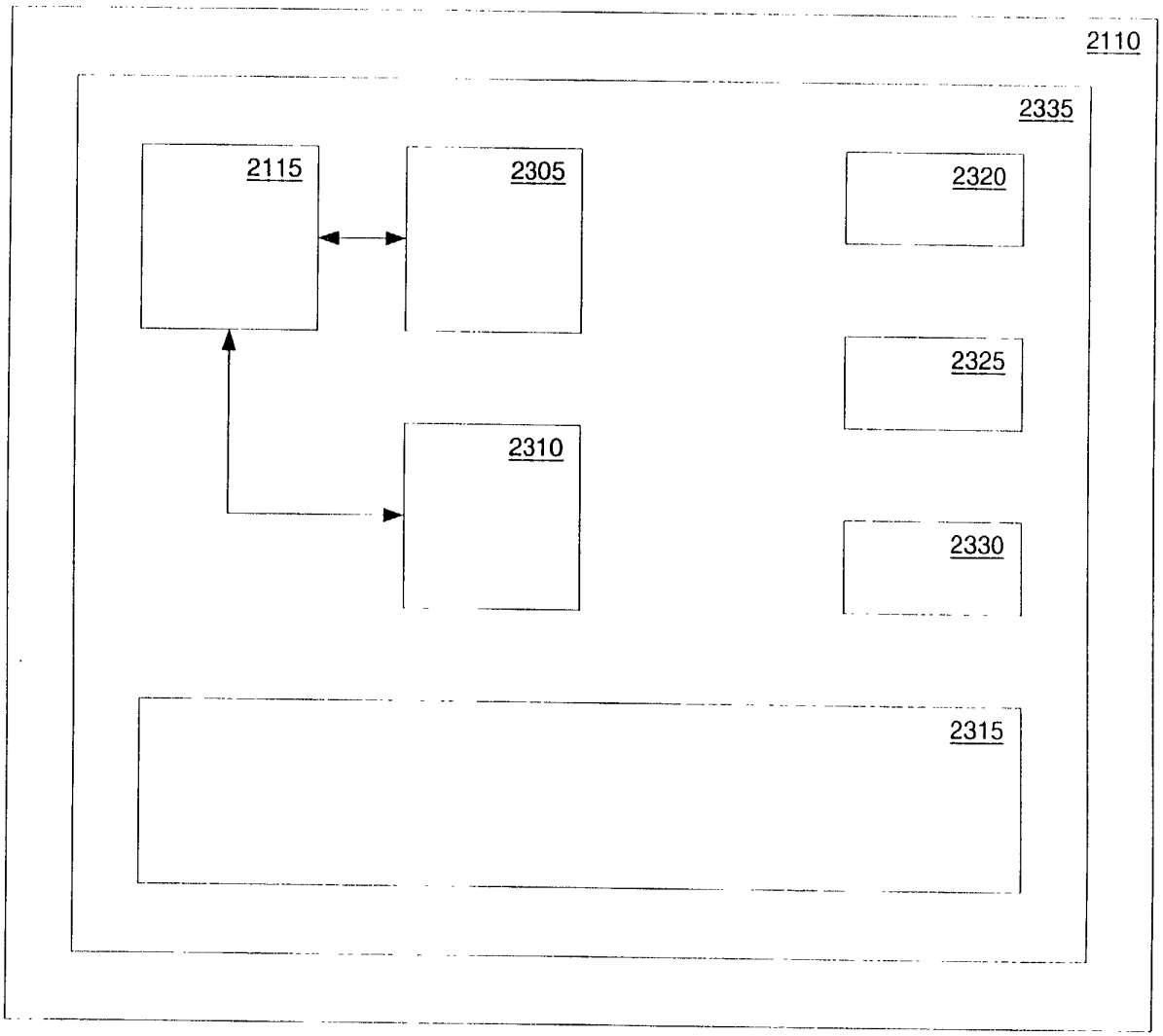

FIGURE 23

Docket: 1495.2.20

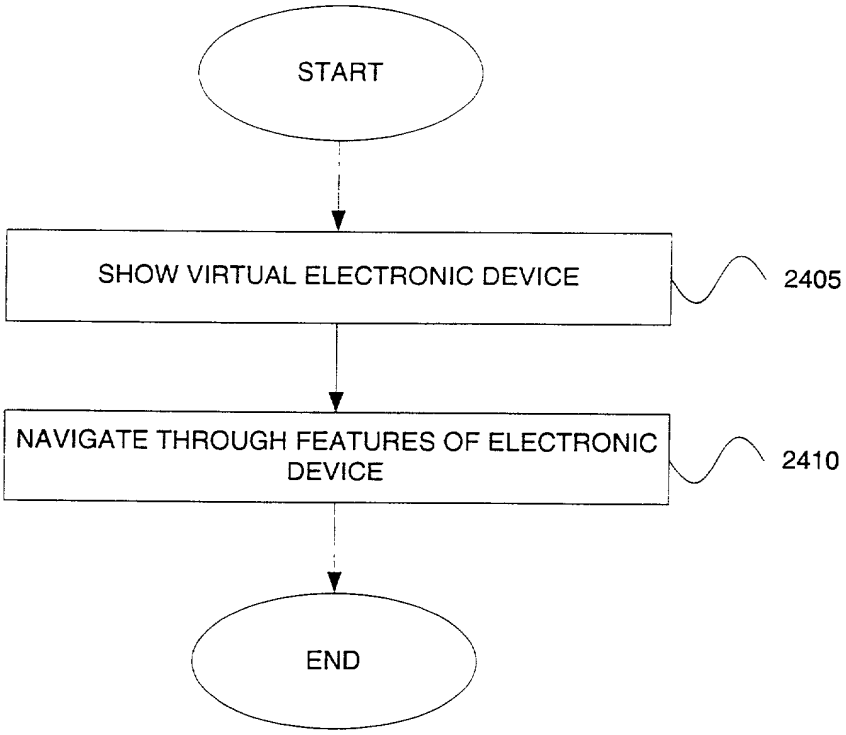

FIGURE 24

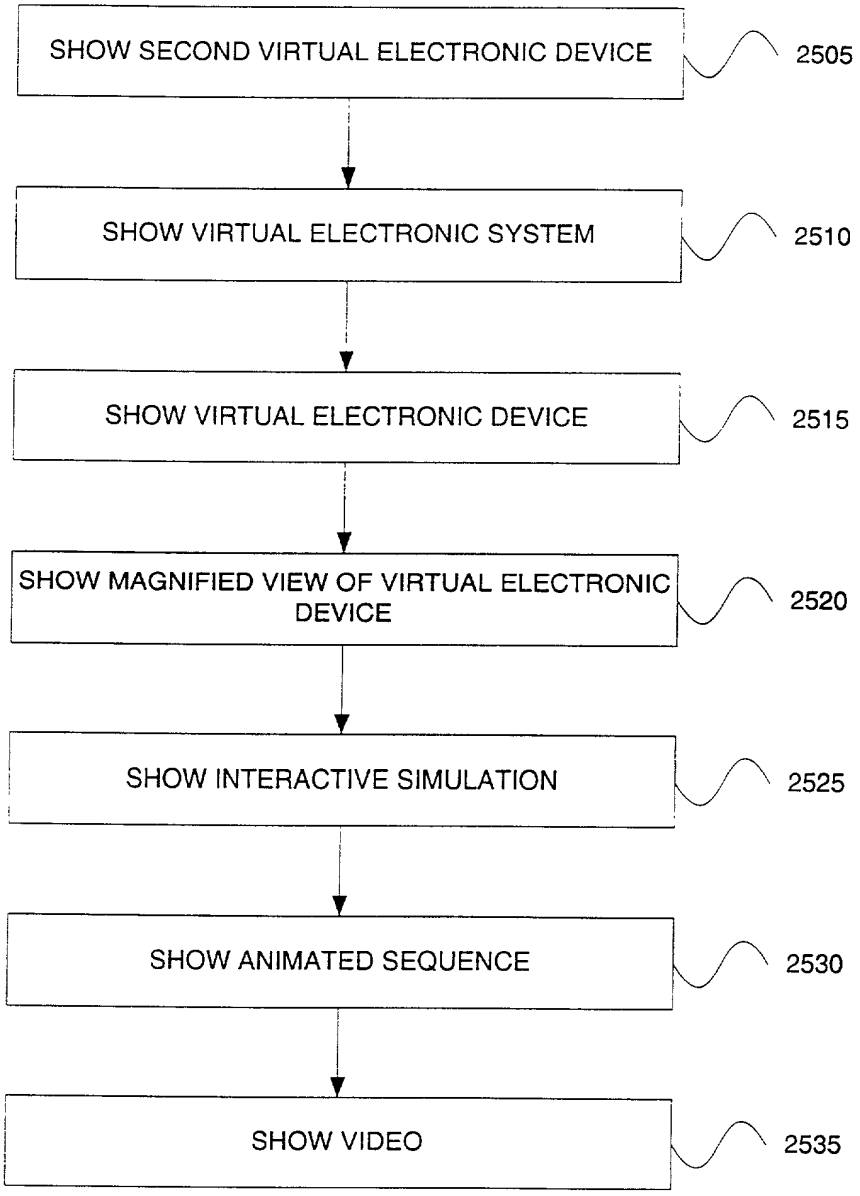
SHOW SECOND VIRTUAL ELECTRONIC DEVICE
2505
SHOW VIRTUAL ELECTRONIC SYSTEM
2510
SHOW VIRTUAL ELECTRONIC DEVICE
2515
SHOW MAGNIFIED VIEW OF VIRTUAL ELECTRONIC DEVICE
2520
SHOW INTERACTIVE SIMULATION
2525
SHOW ANIMATED SEQUENCE
2530
SHOW VIDEO
2535

FIGURE 25